



Gulf of Mexico Harmful Algal Bloom Bulletin

16 May 2005

National Ocean Service

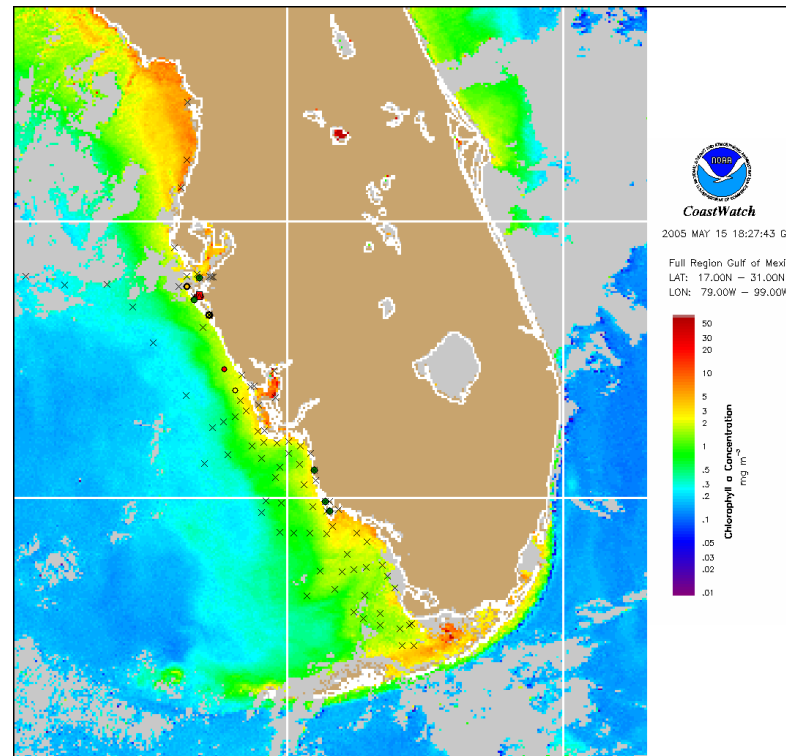
National Environmental Satellite, Data, and Information Service

Last bulletin: May 13, 2005

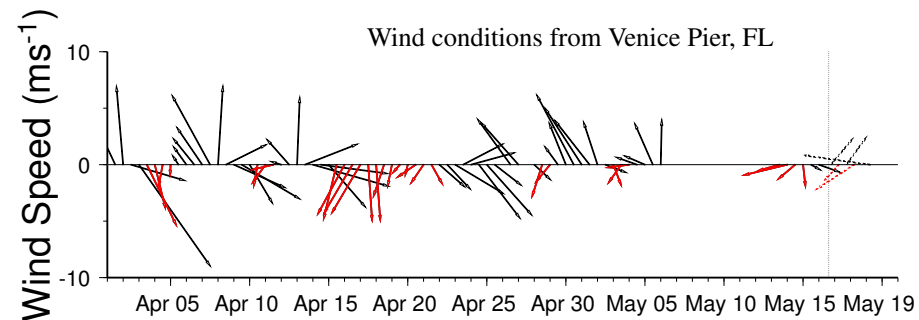
Conditions: A harmful algal bloom has been identified in Manatee and Northern Sarasota County. Patchy low to high impacts are possible in bayside areas though Thursday. The bloom continues to dissipate along the coast, and impacts at the beach are unlikely.

Analysis: The bloom remains in the Palma Sola and Sarasota Bay systems. Variable winds this week may increase impacts in Palma Sola Bay and bayside areas of Anna Maria Island. Various concentrations of *K. brevis* were reported from May 9-12 at Palma Sola Bay (very low to high), Anna Maria Island N., (very low to present) Skyway Pier (present), and Sarasota Bay (very low to low) (FWRI). Intensification and movement of the bloom are not expected.

-Fenstermacher & Fisher



Chlorophyll concentration from satellite with possible HAB areas shown by red polygon(s). Cell concentration sampling data from May 2, 2005 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

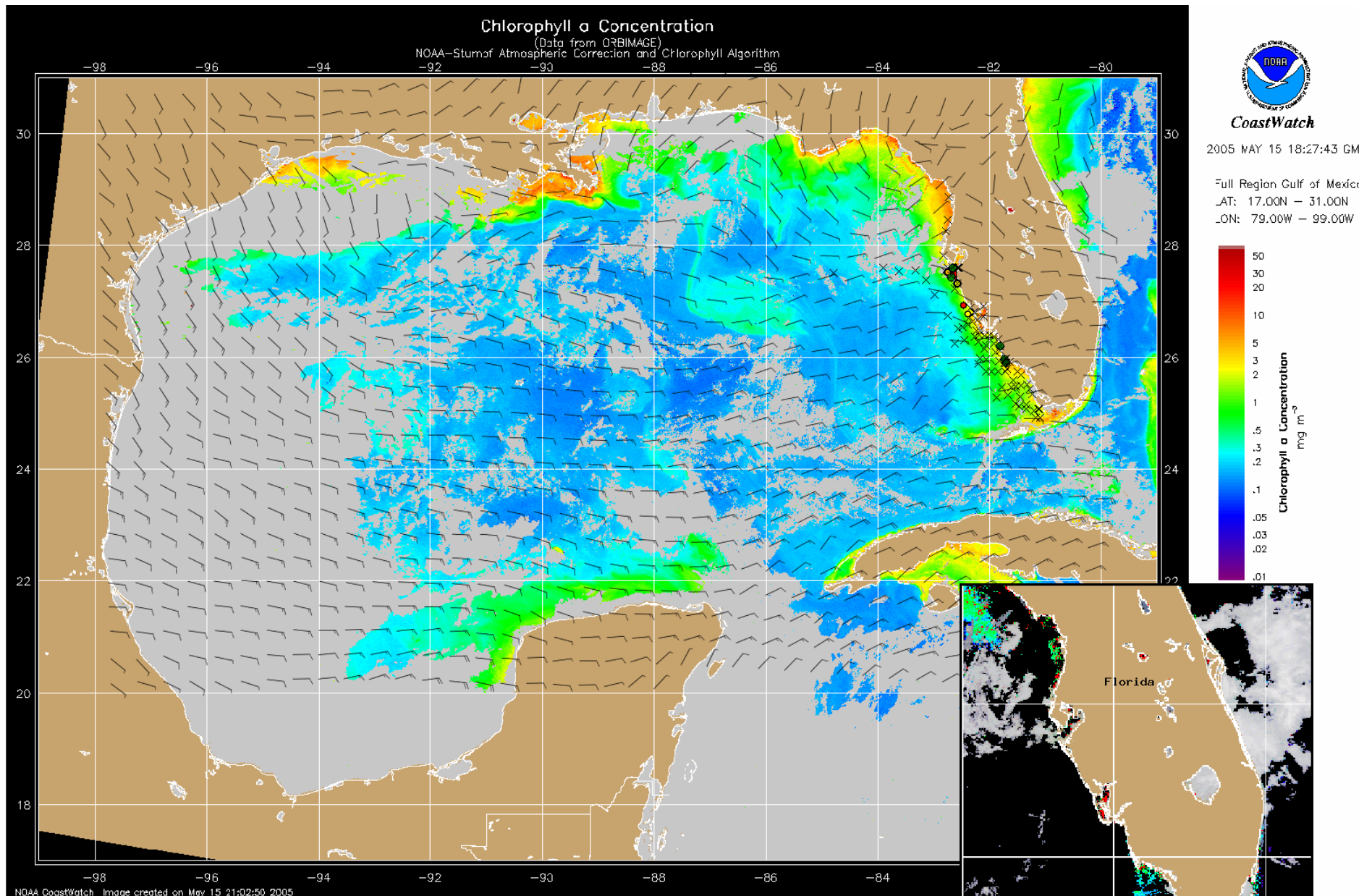


Wind speed and direction are averaged over 12 hours from measurements made on buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

Variable winds becoming northwesterly & westerly this afternoon and tonight (5-10 knots; 3-5 m/s). Southeasterly winds Tuesday morning followed by northwesterly winds in the afternoon (5-10 knots; 3-5 m/s). Light variable northeasterlies and northwesterlies winds on Wednesday (5 knots; 3 m/s). Northerlies on Thursday (5-10 knots; 3-5 m/s).

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Chlorophyll concentration from satellite and forecast winds for May 17, 2005 12Z with cell concentration sampling data from May 2, 2005 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

Blooms shown in red (see p. 1 analysis and image for interpretation)